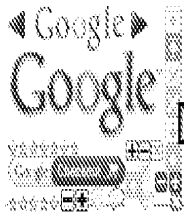Web Images Video Maps News Shopping Gmail more ▼

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[0001] The present invention relates to a parallel pulse signal processing circuit or neural network having a pattern recognition function. BACKGROUND ART ...
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5. Image thinning using pulse coupled neural network

A two-level classifier for fingerprint recognition. In: Proc. ... Object detection using pulse coupled neural networks, IEEE Trans. ... T. Y. Zhang , C. Y. Suen, A fast parallel algorithm for thinning digital patterns, ... Unit-linking Pulse Coupled Neural Network and its Applications, Neural Processing Letters, ...
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by X Gu - 2004 - Cited by 28 - Related articles - All 3 versions

6. Pattern Recognition Letters : Image thinning using pulse coupled ...

Binary image thinning plays an important role in image processing such as handwriting ... 1993), text recognition (Abuhaiba et al., 1996), fingerprint classification .... Using this pulse parallel transmission characteristic of PCNN can thin binary ..... Binary image restoration using pulse coupled neural network. ...
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7. INFRARED PASSENGER FLOW COLLECTION SYSTEM BASED ON RBF NEURAL NET

processing of the neural network pattern recognition, we ... acquisition including the signal 1 changes to 0 or the signal ... characteristic of pulse image, which is divided into three ... The model that can be identified by neural network ... according to identification with tutor, the parallel number ...
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8. Keith Price Bibliography Thinning Algorithms

Lam, L., Suen, C.Y., An Evaluation of **Parallel** Thinning Algorithms for Character-**Recognition**, ... Special Issue on Thinning Methodologies for **Pattern Recognition**, ... **Image** thinning using **pulse** coupled **neural network**, ... On the **Detection** of Simple Points in Higher Dimensions Using Cubical Homology, ...
www.visionbib.com/bibliography/twod297.html - Cached - Similar

9. Publications

Pulse image processing using centripetal autowaves", J. M. Kinser, C. Nguyen, Proc. ... "**Neural network** based automated texture **classification system**", Rughooputh, ... "**Detection** of microcalcification by cortical simulation", J. Kinser and Th. ... "Synergistic **Pulse**-Coupled **Neural Network Pattern Recognition**", ...
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10. ICSC Symposium on **Neural** Computation 1998

Yong-Hyun Cho: An Efficient Compression of **Image** Data Using **Neural** Networks of Hybrid Learning Algorithm. ... Ucieda-Pardiñas: A **Neural Network** Approach to the **Classification** of ... Time Series Data and Its Applications to Sound **Signal Processing**. ... Christian Schultes: A Relational **Neural Network** Database **Model**. ...
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